Name_____ Geometry Worksheet Slope

Find the slope between the two lines, then determine whether the lines are *parallel*, *perpendicular* or *neither*.

1) Line 1: (0,3) and (2, 4)
Line 2: (2, 1) and (8, 4)

2) Line 1: (-1, 3) and (0, 5)
Line 2: (2, 1) and (6, -1)

3) Line 1: (-1, 3) and (4, 4)
Line 2: (3, 1) and(-2, 2)

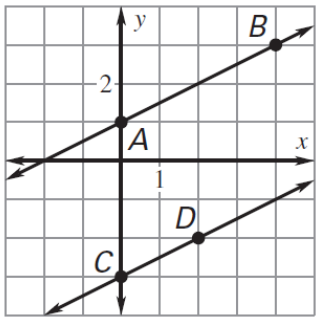
4) Line 1: (0, -3) and (-2, -7)
Line 2: (2, 1) and (0, 3)

5) Line 1: (-2, 2) and (1, -3)
Line 2: (-2, 1) and (3, 4)

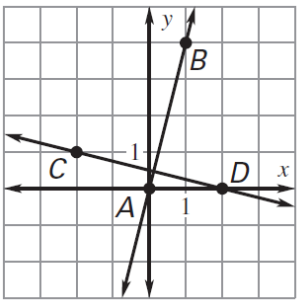
6) Line 1: (-2, 5) and (1, 4)
Line 2: (4, 0) and (5, 3)

Find the slope of the two lines. Determine if the lines are parallel, perpendicular or neither.

7)



8)



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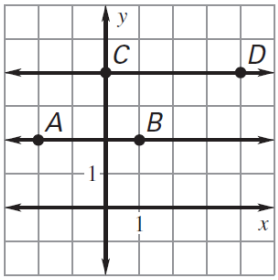

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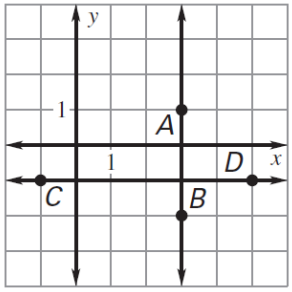

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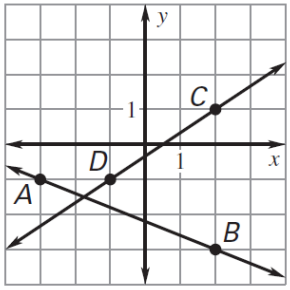

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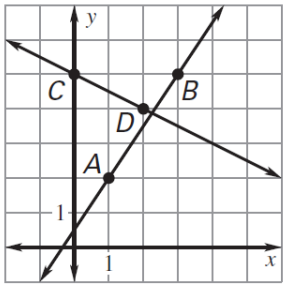
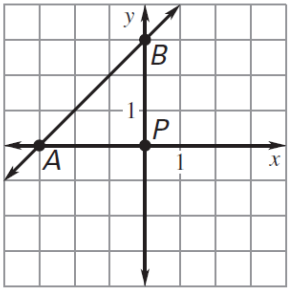


Graph a line that is parallel to $\overleftrightarrow{AB}$ and passes through point P.

13)



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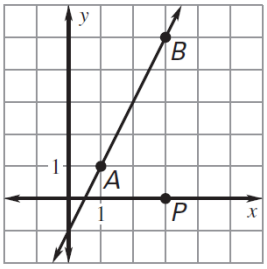

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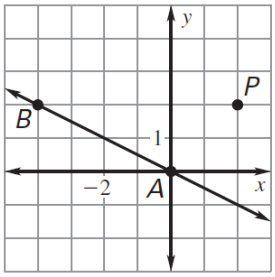
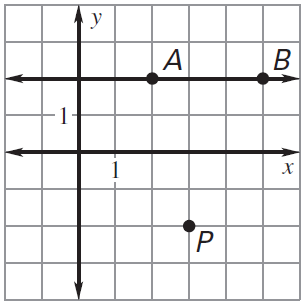


Graph a line that is perpendicular to $\overleftrightarrow{AB}$ and passes through point P.

16)



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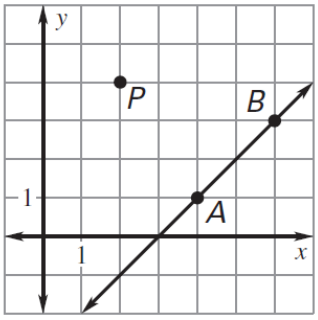

18)